

SECTION-B

2. Write a note on contribution by RILEM in the field of Geosynthetics. Enumerate the basic objectives of Indian Group of Geosynthetics.
3. List the various processes by which :
 - (a) non-woven geosynthetics and
 - (b) geogrids, are manufactured.
4. (a) Explain the Pull-Out test.

(b) What are the tests which are conducted to obtain stress-strain characteristics and failure load of a geogrid.
5. List the assumptions made by Binquet and Lee in their analysis of reinforced earth beds?
6. Enumerate the applications of geosynthetics in River valley projects.

SECTION-C

7. Explain concertina method and telescopic method of construction of reinforced soil retaining walls with sketches.
8. Briefly describe the mechanism of mobilization of reinforcement strength in the case of :
 - (a) Geogrid
 - (b) Geotextile
 - (c) Metallic Strips
9. Discuss the corrosion of steel meshes *vis-a-vis* degradation of polymeric reinforcements in reinforced soil structures.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.